

**Slime Molds, Kingdom Amoebozoa**

Big Picture of Life -- place of the two slime mold groups, Dictyosteliomycota, Myxomycota

**Myxomycota** -- Plasmodial slime molds

Size of the group

Nutrition

absorption

ingestion of microbes

Habitat

soil

rotting wood

compost

Aesthetics

Sporangia

*Physarum* life-cycle

Amoeba, swarm cell

Mating

Plasmodia

fusion

anatomy

transport

Sporangia

Plasmodiocarps

Aethalia

**Dictyosteliomycota** -- Cellular slime molds

Size of group

Nutrition

absorption

ingestion

Habitat

soil

decaying vegetation

*Dictyostelium* life-cycle

Amoebae

Aggregation and Intercellular signaling

Sporulation

Cheating

Sex

**Kingdom Cercozoa, Plasmodiophoromycota**, Club root of cabbage, *Plasmodiophora brassicae*

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Website with lectures, laboratory introduction, lab photos, and practice exam questions:  
<http://pmb.berkeley.edu/~taylor/pmb102/>